

WINTER TROLL FISHERY, 1988

By

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Summary of Progress

1. Work Accomplishments

A. Tasks Scheduled:

This project supports the sampling of chinook salmon harvested during the winter troll fishery for coded micro-wire tag data and age and size data. Our goal was to examine at least 20%, and hopefully 40+%, of the chinooks for coded micro-wire tag data during the winter troll fishery from 1 October 1988 to 15 April 1989. Sampling was conducted at shore-based processors in Sitka, Petersburg, Ketchikan, Wrangell, Juneau, Hoonah, Port Alexander, Craig, and Yakutat.

B. Tasks Accomplished:

We succeeded in examining 15,143 (46%) of the 33,161 chinook salmon harvested during the 1988/1989 winter troll season (Table 1). Our sampling coverage exceeded our minimum 20% sampling goal in all strata except the Southwest Quadrant where it was 17% for the second half of the season. Our sampling effort was highest in the inside quadrants for both the first and second half of the season. Project personnel recovered 1,044 (97%) of the heads from the 1,072 adipose clipped fish observed in the first half of the season and 282 (99%) of the 285 adipose clipped fish observed the second half of the season. As these numbers indicate, we received excellent cooperation from the processors in recovering heads of tagged fish considering that many of the fish were destined for fresh/whole (heads on) markets. All heads and accompanying data was forwarded, as scheduled, to the Fisheries Rehabilitation, Enhancement, and Development Division's Tag Lab in Juneau.

Project personnel did a good job of sampling the chinook landed for scale and length data. Samples were collected from all districts with significant catches. A total of 1,325 chinook's were sampled during the first half of the season and 798 during the second half (Table 2). These scales have been aged and are filed along with accompanying data in our Division's Aging Lab in Douglas.

2. Expenditures

See budget summaries.

Table 1. Number of chinook salmon harvested and sampled for coded micro-wire tag data, by period and quadrant, during the 1988/1989 winter troll season in Southeast Alaska.

Period	Quadrant	Harvested	Number Sampled	Number Percent
1 Oct. to 31 Dec. 1988	Northeast	11,392	6,119	53%
	Northwest	7,846	2,680	34%
	Southeast	4,764	2,333	48%
	Southwest	410	156	38%
		<hr/> 24,412	<hr/> 11,288	<hr/> 46%
1 Jan. to 15 Apr. 1989	Northeast	2,227	1,857	83%
	Northwest	3,417	957	28%
	Southeast	2,525	2,242	39%
	Southwest	863	153	17%
		<hr/> 8,749	<hr/> 3,855	<hr/> 44%
Total		<hr/> 33,161	<hr/> 15,143	<hr/> 46%

Table 2. Number of chinook salmon sampled for age (scales) and length data, by period and district, from the 1988/1989 Southeast Alaska winter troll fishery.

District	Period	
	1 October to 31 Dec. 1988	1 Jan. to 15 April 1989
101	197	39
102		159
103	55	8
104	12	
105	14	18
106	67	
107	38	
109	118	267
110	195	
111	17	
112	10	
113	265	219
114	223	67
Southwest	27	12
Northeast	19	
Southeast	68	9
Total	1,325	798

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